

Title (en)

GAS TURBINE ENGINE WITH GEARED TURBOFAN AND OIL THERMAL MANAGEMENT SYSTEM

Title (de)

GASTURBINENMOTOR MIT EINEM VERZAHNTEN TURBOLÜFTER UND ÖLTEMPERATURVERWALTUNGSSYSTEM

Title (fr)

MOTEUR À TURBINE À GAZ COMPORTANT UN TURBORÉACTEUR À DOUBLE FLUX À ENGRENAGE ET UN SYSTÈME DE GESTION THERMIQUE D'HUILE

Publication

EP 2809915 A1 20141210 (EN)

Application

EP 13775295 A 20130117

Priority

- US 201213361997 A 20120131
- US 2013021794 W 20130117

Abstract (en)

[origin: US8443582B1] A lubricant supply system for a gas turbine engine has a lubricant lube pump delivering lubricant to an outlet line. The outlet line is split into at least a hot line and into a cool line, with the hot line directed primarily to locations associated with an engine that are not intended to receive cooler lubricant, and the cool line directed through one or more heat exchangers at which lubricant is cooled. The cool line then is routed to a fan drive gear for an associated gas turbine engine. A method and apparatus are disclosed.

IPC 8 full level

F02C 7/06 (2006.01); **F01M 5/00** (2006.01)

CPC (source: EP US)

F01D 25/18 (2013.01 - EP US); **F01D 25/20** (2013.01 - EP US); **F01M 5/002** (2013.01 - EP US); **F02C 7/06** (2013.01 - EP US); **F02C 7/14** (2013.01 - EP US); **F02K 9/64** (2013.01 - US); **F05D 2260/213** (2013.01 - EP US); **F05D 2260/40311** (2013.01 - EP US); **Y02T 50/60** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 8443582 B1 20130521; EP 2809915 A1 20141210; EP 2809915 A4 20151014; EP 2809915 B1 20190807; US 2014083076 A1 20140327; US 2014216003 A1 20140807; US 9341080 B2 20160517; US 9879563 B2 20180130; WO 2013154637 A1 20131017

DOCDB simple family (application)

US 201213361997 A 20120131; EP 13775295 A 20130117; US 2013021794 W 20130117; US 201313794976 A 20130312; US 201414245317 A 20140404